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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/566,389	05/26/2006	Abdulsalam Al-Mayahi	663073607	3744
25269 DYKEMA GOS	7590 06/23/200 SSETT PLLC	EXAMINER		
FRANKLIN SQ	QUARE, THIRD FLOO	FORTUNA, ANA M		
	300 I STREET, NW 'ASHINGTON, DC 20005		ART UNIT	PAPER NUMBER
			1797	
			MAIL DATE	DELIVERY MODE
			06/23/2009	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

		Application No.	Applicant(s)			
Office Action Summary		10/566,389	AL-MAYAHI ET AL.			
		Examiner	Art Unit			
		ANA M. FORTUNA	1797			
Period fo	The MAILING DATE of this communication app or Reply	pears on the cover sheet with the c	correspondence address			
A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication. - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).						
Status						
1)[\	Responsive to communication(s) filed on 28 M	larch 2008				
•		s action is non-final.				
3)	Since this application is in condition for allowance except for formal matters, prosecution as to the merits is					
٥,١	closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.					
Dispositi	on of Claims					
- 4)⊠	Claim(s) <u>20-41</u> is/are pending in the applicatio	n				
•	4a) Of the above claim(s) is/are withdrawn from consideration.					
	5) Claim(s) is/are allowed.					
•	6)⊠ Claim(s) <u></u>					
	Claim(s) is/are objected to.					
•	Claim(s) are subject to restriction and/o	or election requirement.				
	on Papers					
	•					
•	The specification is objected to by the Examine					
10)	The drawing(s) filed on is/are: a) acc					
	Applicant may not request that any objection to the					
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).						
11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.						
Priority ι	ınder 35 U.S.C. § 119					
 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. 						
	t(s) e of References Cited (PTO-892) e of Draftsperson's Patent Drawing Review (PTO-948)	4)	ate			
Information Disclosure Statement(s) (PTO/SB/08) Paper No(s)/Mail Date 5) Notice of Informal Patent Application 6) Other:						

DETAILED ACTION

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

The text of those sections of Title 35, U.S. Code not included in this action can be found in a prior Office action (12/26/08).

Response to Arguments

Applicant's arguments filed 3/26/09 have been fully considered but they are not persuasive. Claim 1 is the only independent claim; the claim is amended to add the limitation of adding anti-scaling agents, corrosion inhibitors, or disinfectants to the second solution in step b). The addition of anti-scaling agents to a feed before membrane filtration, to avoid deposits of scale forming agents to the membrane surface is known in the art, as discussed in the record (see rejection of claim 34). Applicant specification (page 17, second paragraph disclose the second solution composition containing calcium and magnesium salts, scale forming salts; these salts are also part of claim 26; the skilled artisan at the time this invention was made therefore, it would have been motivated to used anti-scaling agents to avoid membrane clogging and made the concentration with membrane more efficient. The antiscaling agents and antifouling agents are considered equivalent when used in membrane apparatus. For this reasons, the rejection of claim 20 and dependent claims is maintained.

The use of anti-scaling and disinfectant agents in combination with membrane and evaporators is discussed in the record, see reference to Hassan (6,508,836).

Conclusion

Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to ANA M. FORTUNA whose telephone number is (571)272-1141. The examiner can normally be reached on 8:00-4:30.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, KIM VICKIE can be reached on 571-2720479. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Application/Control Number: 10/566,389 Page 4

Art Unit: 1797

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/ANA M FORTUNA/
Primary Examiner, Art Unit 1797